Surface Science 194 (1988) 627–631
North-Holland, Amsterdam

AUTHOR INDEX

Abon, M., see Fargues 194 (1988) 149
Adnot, A., see McBreen 194 (1988) L112
Ageev, V.N., O.P. Burmistrova and B.V. Yakshinskii, Electron-stimulated alkali metal desorption from the oxygen monolayer-covered tungsten surface 194 (1988) 101
Aizawa, T., see Souda 194 (1988) L119
Anderson, A.B., see Chu 194 (1988) 55
Atanasoski, R.T., see Kozlowski 194 (1988) 505

Badziag, P. and W.S. Verwoerd, Cluster modelling of the 2×1 chain reconstruction of the diamond (111) surface 194 (1988) 535
Basu, P., see Chen 194 (1988) 397
Benesh, G.A. and J.R. Hester, Na–Na interactions on Al(001) 194 (1988) 567
Benndorf, C. and T.E. Madey, Adsorption of H_2O on clean and oxygen-predosed Ni(110) 194 (1988) 63
Bertolini, J.C., see Fargues 194 (1988) 149
Block, J.H., see Schmidt 194 (1988) 127
Bolech, M., see Vink 194 (1988) 559
Bonzel, H.P., see Pirug 194 (1988) 159
Brand, J.L., A.A. Deckert and S.M. George, Surface diffusion of hydrogen on sulfur-covered Ru(001) surfaces studied using laser-induced thermal desorption 194 (1988) 457
Brown, J.S., see McCann 194 (1988) 44
Burke, M.L. and R.J. Madix, SO_2 structure and reactivity on clean and sulfur modified Pd(100) 194 (1988) 223
Burmistrova, O.P., see Ageev 194 (1988) 101

Campbell, C.T., see Rodriguez 194 (1988) 475
Cassuto, A., J.J. Ehrhardt, J. Cousty and R. Riwan, Angle-resolved photoemission of xenon adsorbed on Pt(111): the $(\sqrt{3}\times\sqrt{3})R30°$ commensurate layer 194 (1988) 579
Chen, J.G., P. Basu, L. Ng and J.T. Yates, Jr., A comparative study of the reactivities of H_2O, CH_3OH, and CH_3OCH_3 toward Al(111) 194 (1988) 397
Christmann, K., see Ehsasi 194 (1988) 172
Chu, S.-Y. and A.B. Anderson, Acetylene adsorption on Si(111): molecular orbital theory 194 (1988) 55
Chung, S.G. and T.F. George, Theory of low-temperature adsorption 194 (1988) 347
Cole, M.W., see Kim 194 (1988) 257
Coluccia, S., see Zecchina 194 (1988) 531
Cousty, J., see Cassuto 194 (1988) 579

Deckert, A.A., see Brand 194 (1988) 457

Ehrhardt, J.J., see Fargues 194 (1988) 149
Ehrhardt, J.J., see Cassuto 194 (1988) 579
Ehsasi, M. and K. Christmann, The interaction of hydrogen with a rhodium (110) surface 194 (1988) 172
Elango, M., A.E. Kiv and A.A. Malkin, Computer simulation of the radiation-induced Coulomb instability of XUV-irradiated alkali halide surfaces 194 (1988) 548

Fargues, D., J.J. Ehrhardt, M. Abon and J.C. Bertolini, Photoemission of adsorbed xenon on $Pt_xNi_{1-x}(111)$ single crystal alloy surfaces 194 (1988) 149
Fischer, D.A., see Zaera 194 (1988) 205
Furuya, K., see Yamamoto 194 (1988) 217

Gates, A.D. and J.L. Robins, Cluster mobility calculations for gold particles on (100) NaCl surfaces 194 (1988) 13
George, S.M., see Brand 194 (1988) 457
George, T.F., see Chung 194 (1988) 347
Geus, J.W., see Vink 194 (1988) 559
Giamello, E., see Zecchina 194 (1988) 531
Gijzeman, O.L.J., see Vink 194 (1988) 559
Gilmer, G.H., see Grabow 194 (1988) 333
Gland, J.L., see Zaera 194 (1988) 205
Goodman, D.W., see Peden 194 (1988) 92
Grabow, M.H. and G.H. Gilmer, Thin film growth modes, wetting and cluster nucleation 194 (1988) 333

Hester, J.R., see Benesh 194 (1988) 567
Hinkel, V., L. Sorba and K. Horn, Surface core level shifts of clean and hydrogen-covered InSb(110) 194 (1988) 597
Hoffmann, F.M., see Paul 194 (1988) 419
Horn, K., see Hinkel 194 (1988) 597
Houston, J.E., see Peden 194 (1988) 92

Ichinokawa, T., see Kato 194 (1988) L87
Ide, T., see Kato 194 (1988) L87
Ishizawa, Y., see Souda 194 (1988) L119
Iwami, M., T. Terada, H. Tochihara, M. Kubota and Y. Murata, Alloyed interface formation in the Au–Si(111)2×1 system studied by photoemission spectroscopy 194 (1988) 115

Jaegermann, W., see Ohuchi 194 (1988) L69
Johansson, L.I., see Lindberg 194 (1988) 199
Joshi, N.V., Laser-assisted growth of thin films of $CuAlSe_2$ 194 (1988) L105

Kato, K., T. Ide, S. Miura, A. Tamura and T. Ichinokawa, Si(100)$2 \times n$ structures induced by Ni contamination 194 (1988) L87
Kawai, S., see Nakamatsu 194 (1988) 265
Kikuchi, T., see Yamamoto 194 (1988) 217
Kim, H.-Y. and M.W. Cole, Substrate mediation of the interaction between adatoms on graphite: discrete lattice model 194 (1988) 257
Kiskinova, M. and M. Tikhov, Adsorption of CO on Ru(10$\bar{1}$0) doped with different amounts of K and Cs 194 (1988) 379

Kiv, A.E., see Elango 194 (1988) 548
Kozlowski, M.R., P.S. Tyler, W.H. Smyrl and R.T. Atanasoski, Photoelectrochemical microscopy of oxide films on metals: Ti/TiO_2 interface 194 (1988) 505
Kubota, M., see Iwami 194 (1988) 115

Lindberg, P.A.P. and L.I. Johansson, Work function and reactivity of some crystal faces of substoichiometric transition-metal carbides 194 (1988) 199
Lovisa, M.F., see Schmidt 194 (1988) 127
Loxton, C.M., see Venezia 194 (1988) 136

Madey, T.E., see Benndorf 194 (1988) 63
Madix, R.J., see Burke 194 (1988) 223
Malkin, A.A., see Elango 194 (1988) 548
Marchese, L., see Zecchina 194 (1988) 531
McBreen, P.H., S. Moore, A. Adnot and D. Roy, SIMS study of the interaction of CO and O_2 with K adsorbed on Au 194 (1988) L112
McCann, A. and J.S. Brown, A self-consistent calculation of the tunneling barrier of metal–vacuum–metal junctions: application to W–Vac–Au 194 (1988) 44
Melmed, A.J., see Schmidt 194 (1988) 127
Miura, S., see Kato 194 (1988) L87
Moore, S., see McBreen 194 (1988) L112
Murata, Y., see Iwami 194 (1988) 115

Nakamatsu, H., A. Sudo and S. Kawai, Relaxation of the MgO(100) surface studied by ICISS 194 (1988) 265
Nakanishi, S. and K. Sasaki, Adsorption of sulfur on the iron (001) surface 194 (1988) 245
Naschitzki, M., see Schmidt 194 (1988) 127
Ng, L., see Chen 194 (1988) 397

Ohuchi, F.S., W. Jaegermann and B.A. Parkinson, XPS investigation of the reaction of SnS_2(0001) with Cu 194 (1988) L69
Oshima, C., see Souda 194 (1988) L119
Otani, S., see Souda 194 (1988) L119

Parkinson, B.A., see Ohuchi 194 (1988) L69
Paul, J. and F.M. Hoffmann, Hydrogen adsorption on alkali modified aluminum 194 (1988) 419
Peden, C.H.F., D.W. Goodman, J.E. Houston and J.T. Yates, Jr., Subsurface hydrogen on Ru(0001): quantification by Cu titration 194 (1988) 92
Pirug, G. and H.P. Bonzel, Ordering of potassium overlayers on Pt(111) 194 (1988) 159

Qu Zhe and Xie Tian-Sheng, Auger-ion sputter profiling of some homogeneous binary systems 194 (1988) L127

Rabalais, J.W., see Sass 194 (1988) L95
Ritchie, R.H., see Sols 194 (1988) 275
Riwan, R., see Cassuto 194 (1988) 579
Robins, J.L., see Gates 194 (1988) 13
Rodriguez, J.A. and C.T. Campbell, A quantum-chemical study of the chemisorption of ammonia, pyridine, formaldehyde, formate, and methoxy on ZnO(0001) 194 (1988) 475
Roy, D., see McBreen 194 (1988) L112

Sasaki, K., see Nakanishi 194 (1988) 245
Sass, C.S. and J.W. Rabalais, Chemisorption of carbonyl sulfide (OCS) on Ni between 77 and 293 K 194 (1988) L95
Sawatzky, G.A., see Segeth 194 (1988) 615
Scarano, D., see Zecchina 194 (1988) 531
Schmidt, W.A., A.J. Melmed, M.F. Lovisa, M. Naschitzki and J.H. Block, Field-ion energy spectroscopy of gold overlayers on silicon 194 (1988) 127
Segeth, W., J.H. Wijngaard and G.A. Sawatzky, The electronic structure of a new c(2 × 2) oxygen phase on Ag(110) 194 (1988) 615
Shen, S., see Zaera 194 (1988) 205
Shima, N. and M. Tsukada, Microscopic theory of the field induced desorption 194 (1988) 312
Smyrl, W.H., see Kozlowski 194 (1988) 505
Sols, F. and R.H. Ritchie, Self-energy of a charge near an interface 194 (1988) 275
Sorba, L., see Hinkel 194 (1988) 597
Souda, R., T. Aizawa, C. Oshima, S. Otani and Y. Ishizawa, Reionization contributions in low-energy scattering of He, Ne and Ar ions from Sn, Au, and $BaTiO_3$ 194 (1988) L119
Sudo, A., see Nakamatsu 194 (1988) 265

Tamura, A., see Kato 194 (1988) L87
Terada, T., see Iwami 194 (1988) 115
Tikhov, M., see Kiskinova 194 (1988) 379
Tochihara, H., see Iwami 194 (1988) 115
Tsukada, M., see Shima 194 (1988) 312
Tyler, P.S., see Kozlowski 194 (1988) 505

Venezia, A.M. and C.M. Loxton, Low pressure oxidation of Ni_3Al alloys at elevated temperatures as studied by X-ray photoelectron spectroscopy and Auger spectroscopy 194 (1988) 136
Verwoerd, W.S., see Badziag 194 (1988) 535
Vink, T.J., M. Bolech, O.L.J. Gijzeman and J.W. Geus, The reactivity of the graphite overlayer on Fe(110) towards oxygen 194 (1988) 559

Wang, G.-C., see Zuo 194 (1988) L77
White, J.M., see Zhou 194 (1988) 438
Wijngaard, J.H., see Segeth 194 (1988) 615

Xie Tian-Sheng, see Qu Zhe 194 (1988) L127

Yakshinskii, B.V., see Ageev 194 (1988) 101
Yamamoto, H., T. Kikuchi and K. Furuya, The primary ion energy dependence of the analyzing depth in SIMS measurements 194 (1988) 217
Yates, Jr., J.T., see Peden 194 (1988) 92
Yates, Jr., J.T., see Chen 194 (1988) 397

Zaera, F., D.A. Fischer, S. Shen and J.L. Gland, Fluorescence yield near-edge X-ray absorption spectroscopy under atmospheric conditions: CO and H_2 coadsorption on Ni(100) at pressures between 10^{-9} and 0.1 Torr 194 (1988) 205
Zecchina, A., D. Scarano, L. Marchese, S. Coluccia and E. Giamello, Defect centres on Mg-doped MgO surfaces 194 (1988) 531

Zhdanov, V.P., On the application of LEED to study the dynamics of two-dimensional ordering 194 (1988) L100
Zhdanov, V.P., Diffusion of coadsorbed particles 194 (1988) 1
Zhou, X.-L. and J.M. White, Adsorption and decomposition of methyl halides on Ni(100): a TPD, SIMS and AES study 194 (1988) 438
Zuo, J.-K. and G.-C. Wang, Defects in a W(112) surface 194 (1988) L77

Surface Science 194 (1988) 632–643
North-Holland, Amsterdam

SUBJECT INDEX

Acetylene

S.-Y. Chu and A.B. Anderson, Acetylene adsorption on Si(111): molecular orbital theory 194 (1988) 55

Adsorption isotherms, see also Chemisorption theory, Physisorption

M. Ehsasi and K. Christmann, The interaction of hydrogen with a rhodium (110) surface 194 (1988) 172

Alkali halides

A.D. Gates and J.L. Robins, Cluster mobility calculations for gold particles on (100) NaCl surfaces 194 (1988) 13

M. Elango, A.E. Kiv and A.A. Malkin, Computer simulation of the radiation-induced Coulomb instability of XUV-irradiated alkali halide surfaces 194 (1988) 548

Alkali metals

V.N. Ageev, O.P. Burmistrova and B.V. Yakshinskii, Electron-stimulated alkali metal desorption from the oxygen monolayer-covered tungsten surface 194 (1988) 101

G. Pirug and H.P. Bonzel, Ordering of potassium overlayers on Pt(111) 194 (1988) 159

P.H. McBreen, S. Moore, A. Adnot and D. Roy, SIMS study of the interaction of CO and O_2 with K adsorbed on Au 194 (1988) L112

M. Kiskinova and M. Tikhov, Adsorption of CO on Ru(10$\bar{1}$0) doped with different amounts of K and Cs 194 (1988) 379

J. Paul and F.M. Hoffmann, Hydrogen adsorption on alkali modified aluminum 194 (1988) 419

G.A. Benesh and J.R. Hester, Na–Na interactions on Al(001) 194 (1988) 567

Alloys

A.M. Venezia and C.M. Loxton, Low pressure oxidation of Ni_3Al alloys at elevated temperatures as studied by X-ray photoelectron spectroscopy and Auger spectroscopy 194 (1988) 136

D. Fargues, J.J. Ehrhardt, M. Abon and J.C. Bertolini, Photoemission of adsorbed xenon on Pt_xNi_{1-x}(111) single crystal alloy surfaces 194 (1988) 149

Qu Zhe and Xie Tian-Sheng, Auger-ion sputter profiling of some homogeneous binary systems 194 (1988) L127

Aluminium

J.G. Chen, P. Basu, L. Ng and J.T. Yates, Jr., A comparative study of the reactivities of H_2O, CH_3OH, and CH_3OCH_3 toward Al(111) 194 (1988) 397
J. Paul and F.M. Hoffmann, Hydrogen adsorption on alkali modified aluminum 194 (1988) 419
G.A. Benesh and J.R. Hester, Na–Na interactions on Al(001) 194 (1988) 567

Ammonia

J.A. Rodriguez and C.T. Campbell, A quantum-chemical study of the chemisorption of ammonia, pyridine, formaldehyde, formate, and methoxy on ZnO(0001) 194 (1988) 475

Auger electron spectroscopy

F.S. Ohuchi, W. Jaegermann and B.A. Parkinson, XPS investigation of the reaction of SnS_2(0001) with Cu 194 (1988) L69
K. Kato, T. Ide, S. Miura, A. Tamura and T. Ichinokawa, Si(100)$2 \times n$ structures induced by Ni contamination 194 (1988) L87
C.S. Sass and J.W. Rabalais, Chemisorption of carbonyl sulfide (OCS) on Ni between 77 and 293 K 194 (1988) L95
S. Nakanishi and K. Sasaki, Adsorption of sulfur on the iron (001) surface 194 (1988) 245
Qu Zhe and Xie Tian-Sheng, Auger-ion sputter profiling of some homogeneous binary systems 194 (1988) L127
M. Kiskinova and M. Tikhov, Adsorption of CO on Ru($10\bar{1}0$) doped with different amounts of K and Cs 194 (1988) 379
T.J. Vink, M. Bolech, O.L.J. Gijzeman and J.W. Geus, The reactivity of the graphite overlayer on Fe(110) towards oxygen 194 (1988) 559

Band structure

G.A. Benesh and J.R. Hester, Na–Na interactions on Al(001) 194 (1988) 567
A. Cassuto, J.J. Ehrhardt, J. Cousty and R. Riwan, Angle-resolved photoemission of xenon adsorbed on Pt(111): the $(\sqrt{3} \times \sqrt{3})$R30° commensurate layer 194 (1988) 579

Barium titanate

R. Souda, T. Aizawa, C. Oshima, S. Otani and Y. Ishizawa, Reionization contributions in low-energy scattering of He, Ne and Ar ions from Sn, Au, and $BaTiO_3$ 194 (1988) L119

Carbon, see also Graphite

P. Badziag and W.S. Verwoerd, Cluster modelling of the 2×1 chain reconstruction of the diamond (111) surface 194 (1988) 535

Carbon monoxide

F. Zaera, D.A. Fischer, S. Shen and J.L. Gland, Fluorescence yield near-edge X-ray absorption spectroscopy under atmospheric conditions: CO and H_2 coadsorption on Ni(100) at pressures between 10^{-9} and 0.1 Torr 194 (1988) 205
P.H. McBreen, S. Moore, A. Adnot and D. Roy, SIMS study of the interaction of CO and O_2 with K adsorbed on Au 194 (1988) L112
M. Kiskinova and M. Tikhov, Adsorption of CO on Ru(10$\bar{1}$0) doped with different amounts of K and Cs 194 (1988) 379

Chemisorption theory

S.-Y. Chu and A.B. Anderson, Acetylene adsorption on Si(111): molecular orbital theory 194 (1988) 55
S.G. Chung and T.F. George, Theory of low-temperature adsorption 194 (1988) 347
J.A. Rodriguez and C.T. Campbell, A quantum-chemical study of the chemisorption of ammonia, pyridine, formaldehyde, formate, and methoxy on ZnO(0001) 194 (1988) 475

Clusters

A.D. Gates and J.L. Robins, Cluster mobility calculations for gold particles on (100) NaCl surfaces 194 (1988) 13
P. Badziag and W.S. Verwoerd, Cluster modelling of the 2×1 chain reconstruction of the diamond (111) surface 194 (1988) 535

Copper

F.S. Ohuchi, W. Jaegermann and B.A. Parkinson, XPS investigation of the reaction of SnS_2(0001) with Cu 194 (1988) L69
C.H.F. Peden, D.W. Goodman, J.E. Houston and J.T. Yates, Jr., Subsurface hydrogen on Ru(0001): quantification by Cu titration 194 (1988) 92
H. Yamamoto, T. Kikuchi and K. Furuya, The primary ion energy dependence of the analyzing depth in SIMS measurements 194 (1988) 217

Electron loss spectroscopy

M.L. Burke and R.J. Madix, SO_2 structure and reactivity on clean and sulfur modified Pd(100) 194 (1988) 223
M. Kiskinova and M. Tikhov, Adsorption of CO on Ru(10$\bar{1}$0) doped with different amounts of K and Cs 194 (1988) 379
J.G. Chen, P. Basu, L. Ng and J.T. Yates, Jr., A comparative study of the reactivities of H_2O, CH_3OH, and CH_3OCH_3 toward Al(111) 194 (1988) 397
J. Paul and F.M. Hoffmann, Hydrogen adsorption on alkali modified aluminum 194 (1988) 419

Electron microscopy

M.R. Kozlowski, P.S. Tyler, W.H. Smyrl and R.T. Atanasoski, Photoelectrochemical microscopy of oxide films on metals: Ti/TiO_2 interface 194 (1988) 505

Electron spin resonance

A. Zecchina, D. Scarano, L. Marchese, S. Coluccia and E. Giamello, Defect centres on Mg-doped MgO surfaces 194 (1988) 531

Electron stimulated desorption

C. Benndorf and T.E. Madey, Adsorption of H_2O on clean and oxygen-predosed Ni(110) 194 (1988) 63

V.N. Ageev, O.P. Burmistrova and B.V. Yakshinskii, Electron-stimulated alkali metal desorption from the oxygen monolayer-covered tungsten surface 194 (1988) 101

Field desorption

N. Shima and M. Tsukada, Microscopic theory of the field induced desorption 194 (1988) 312

Field ion microscopy

W.A. Schmidt, A.J. Melmed, M.F. Lovisa, M. Naschitzki and J.H. Block, Field-ion energy spectroscopy of gold overlayers on silicon 194 (1988) 127

Gold

A.D. Gates and J.L. Robins, Cluster mobility calculations for gold particles on (100) NaCl surfaces 194 (1988) 13

A. McCann and J.S. Brown, A self-consistent calculation of the tunneling barrier of metal–vacuum–metal junctions: application to W–Vac–Au 194 (1988) 44

M. Iwami, T. Terada, H. Tochihara, M. Kubota and Y. Murata, Alloyed interface formation in the Au–Si(111)2 × 1 system studied by photoemission spectroscopy 194 (1988) 115

W.A. Schmidt, A.J. Melmed, M.F. Lovisa, M. Naschitzki and J.H. Block, Field-ion energy spectroscopy of gold overlayers on silicon 194 (1988) 127

P.H. McBreen, S. Moore, A. Adnot and D. Roy, SIMS study of the interaction of CO and O_2 with K adsorbed on Au 194 (1988) L112

R. Souda, T. Aizawa, C. Oshima, S. Otani and Y. Ishizawa, Reionization contributions in low-energy scattering of He, Ne and Ar ions from Sn, Au, and $BaTiO_3$ 194 (1988) L119

Graphite

H.-Y. Kim and M.W. Cole, Substrate mediation of the interaction between adatoms on graphite: discrete lattice model 194 (1988) 257

T.J. Vink, M. Bolech, O.L.J. Gijzeman and J.W. Geus, The reactivity of the graphite overlayer on Fe(110) towards oxygen 194 (1988) 559

Hydrogen

C.H.F. Peden, D.W. Goodman, J.E. Houston and J.T. Yates, Jr., Subsurface hydrogen on Ru(0001): quantification by Cu titration 194 (1988) 92

M. Ehsasi and K. Christmann, The interaction of hydrogen with a rhodium (110) surface 194 (1988) 172
F. Zaera, D.A. Fischer, S. Shen and J.L. Gland, Fluorescence yield near-edge X-ray absorption spectroscopy under atmospheric conditions: CO and H_2 coadsorption on Ni(100) at pressures between 10^{-9} and 0.1 Torr 194 (1988) 205
J. Paul and F.M. Hoffmann, Hydrogen adsorption on alkali modified aluminum 194 (1988) 419
J.L. Brand, A.A. Deckert and S.M. George, Surface diffusion of hydrogen on sulfur-covered Ru(001) surfaces studied using laser-induced thermal desorption 194 (1988) 457
V. Hinkel, L. Sorba and K. Horn, Surface core level shifts of clean and hydrogen-covered InSb(110) 194 (1988) 597

Indium antimonide

V. Hinkel, L. Sorba and K. Horn, Surface core level shifts of clean and hydrogen-covered InSb(110) 194 (1988) 597

Ion scattering

H. Nakamatsu, A. Sudo and S. Kawai, Relaxation of the MgO(100) surface studied by ICISS 194 (1988) 265
F. Sols and R.H. Ritchie, Self-energy of a charge near an interface 194 (1988) 275
R. Souda, T. Aizawa, C. Oshima, S. Otani and Y. Ishizawa, Reionization contributions in low-energy scattering of He, Ne and Ar ions from Sn, Au, and $BaTiO_3$ 194 (1988) L119

Iron

S. Nakanishi and K. Sasaki, Adsorption of sulfur on the iron (001) surface 194 (1988) 245
T.J. Vink, M. Bolech, O.L.J. Gijzeman and J.W. Geus, The reactivity of the graphite overlayer on Fe(110) towards oxygen 194 (1988) 559

Low energy electron diffraction

J.-K. Zuo and G.-C. Wang, Defects in a W(112) surface 194 (1988) L77
V.P. Zhdanov, On the application of LEED to study the dynamics of two-dimensional ordering 194 (1988) L100
G. Pirug and H.P. Bonzel, Ordering of potassium overlayers on Pt(111) 194 (1988) 159
M. Ehsasi and K. Christmann, The interaction of hydrogen with a rhodium (110) surface 194 (1988) 172
S. Nakanishi and K. Sasaki, Adsorption of sulfur on the iron (001) surface 194 (1988) 245

Magnesium

A. Zecchina, D. Scarano, L. Marchese, S. Coluccia and E. Giamello, Defect centres on Mg-doped MgO surfaces 194 (1988) 531

Magnesium oxide

H. Nakamatsu, A. Sudo and S. Kawai, Relaxation of the MgO(100) surface studied by ICISS 194 (1988) 265
A. Zecchina, D. Scarano, L. Marchese, S. Coluccia and E. Giamello, Defect centres on Mg-doped MgO surfaces 194 (1988) 531

Metals

F. Sols and R.H. Ritchie, Self-energy of a charge near an interface 194 (1988) 275

Methanol

J.G. Chen, P. Basu, L. Ng and J.T. Yates, Jr., A comparative study of the reactivities of H_2O, CH_3OH, and CH_3OCH_3 toward Al(111) 194 (1988) 397

Nickel

K. Kato, T. Ide, S. Miura, A. Tamura and T. Ichinokawa, Si(100)$2 \times n$ structures induced by Ni contamination 194 (1988) L87
C.S. Sass and J.W. Rabalais, Chemisorption of carbonyl sulfide (OCS) on Ni between 77 and 293 K 194 (1988) L95
C. Benndorf and T.E. Madey, Adsorption of H_2O on clean and oxygen-predosed Ni(110) 194 (1988) 63
F. Zaera, D.A. Fischer, S. Shen and J.L. Gland, Fluorescence yield near-edge X-ray absorption spectroscopy under atmospheric conditions: CO and H_2 coadsorption on Ni(100) at pressures between 10^{-9} and 0.1 Torr 194 (1988) 205
H. Yamamoto, T. Kikuchi and K. Furuya, The primary ion energy dependence of the analyzing depth in SIMS measurements 194 (1988) 217
X.-L. Zhou and J.M. White, Adsorption and decomposition of methyl halides on Ni(100): a TPD, SIMS and AES study 194 (1988) 438

Noble gases

D. Fargues, J.J. Ehrhardt, M. Abon and J.C. Bertolini, Photoemission of adsorbed xenon on Pt_xNi_{1-x}(111) single crystal alloy surfaces 194 (1988) 149
A. Cassuto, J.J. Ehrhardt, J. Cousty and R. Riwan, Angle-resolved photoemission of xenon adsorbed on Pt(111): the $(\sqrt{3} \times \sqrt{3})$R30° commensurate layer 194 (1988) 579

Nucleation

M.H. Grabow and G.H. Gilmer, Thin film growth modes, wetting and cluster nucleation 194 (1988) 333

Organic substances

J.G. Chen, P. Basu, L. Ng and J.T. Yates, Jr., A comparative study of the reactivities of H_2O, CH_3OH, and CH_3OCH_3 toward Al(111) 194 (1988) 397
X.-L. Zhou and J.M. White, Adsorption and decomposition of methyl halides on Ni(100): a TPD, SIMS and AES study 194 (1988) 438

J.A. Rodriguez and C.T. Campbell, A quantum-chemical study of the chemisorption of ammonia, pyridine, formaldehyde, formate, and methoxy on ZnO(0001) 194 (1988) 475

Oxidation

A.M. Venezia and C.M. Loxton, Low pressure oxidation of Ni_3Al alloys at elevated temperatures as studied by X-ray photoelectron spectroscopy and Auger spectroscopy 194 (1988) 136

Oxygen

C. Benndorf and T.E. Madey, Adsorption of H_2O on clean and oxygen-predosed Ni(110) 194 (1988) 63
V.N. Ageev, O.P. Burmistrova and B.V. Yakshinskii, Electron-stimulated alkali metal desorption from the oxygen monolayer-covered tungsten surface 194 (1988) 101
P.H. McBreen, S. Moore, A. Adnot and D. Roy, SIMS study of the interaction of CO and O_2 with K adsorbed on Au 194 (1988) L112
T.J. Vink, M. Bolech, O.L.J. Gijzeman and J.W. Geus, The reactivity of the graphite overlayer on Fe(110) towards oxygen 194 (1988) 559
W. Segeth, J.H. Wijngaard and G.A. Sawatzky, The electronic structure of a new c(2 × 2) oxygen phase on Ag(110) 194 (1988) 615

Palladium

M.L. Burke and R.J. Madix, SO_2 structure and reactivity on clean and sulfur modified Pd(100) 194 (1988) 223

Photoconductivity

M.R. Kozlowski, P.S. Tyler, W.H. Smyrl and R.T. Atanasoski, Photoelectrochemical microscopy of oxide films on metals: Ti/TiO_2 interface 194 (1988) 505

Photoelectron spectroscopy

F.S. Ohuchi, W. Jaegermann and B.A. Parkinson, XPS investigation of the reaction of SnS_2(0001) with Cu 194 (1988) L69
C.S. Sass and J.W. Rabalais, Chemisorption of carbonyl sulfide (OCS) on Ni between 77 and 293 K 194 (1988) L95
M. Iwami, T. Terada, H. Tochihara, M. Kubota and Y. Murata, Alloyed interface formation in the Au–Si(111)2 × 1 system studied by photoemission spectroscopy 194 (1988) 115
A.M. Venezia and C.M. Loxton, Low pressure oxidation of Ni_3Al alloys at elevated temperatures as studied by X-ray photoelectron spectroscopy and Auger spectroscopy 194 (1988) 136
D. Fargues, J.J. Ehrhardt, M. Abon and J.C. Bertolini, Photoemission of adsorbed xenon on Pt_xNi_{1-x}(111) single crystal alloy surfaces 194 (1988) 149
G. Pirug and H.P. Bonzel, Ordering of potassium overlayers on Pt(111) 194 (1988) 159

A. Cassuto, J.J. Ehrhardt, J. Cousty and R. Riwan, Angle-resolved photoemission of xenon adsorbed on Pt(111): the $(\sqrt{3} \times \sqrt{3})R30°$ commensurate layer 194 (1988) 579
V. Hinkel, L. Sorba and K. Horn, Surface core level shifts of clean and hydrogen-covered InSb(110) 194 (1988) 597
W. Segeth, J.H. Wijngaard and G.A. Sawatzky, The electronic structure of a new c(2 × 2) oxygen phase on Ag(110) 194 (1988) 615

Physisorption, see also Adsorption isotherms

H.-Y. Kim and M.W. Cole, Substrate mediation of the interaction between adatoms on graphite: discrete lattice model 194 (1988) 257

Platinum

G. Pirug and H.P. Bonzel, Ordering of potassium overlayers on Pt(111) 194 (1988) 159
A. Cassuto, J.J. Ehrhardt, J. Cousty and R. Riwan, Angle-resolved photoemission of xenon adsorbed on Pt(111): the $(\sqrt{3} \times \sqrt{3})R30°$ commensurate layer 194 (1988) 579

Reflection spectroscopy

A. Zecchina, D. Scarano, L. Marchese, S. Coluccia and E. Giamello, Defect centres on Mg-doped MgO surfaces 194 (1988) 531

Rhodium

M. Ehsasi and K. Christmann, The interaction of hydrogen with a rhodium (110) surface 194 (1988) 172

Ruthenium

C.H.F. Peden, D.W. Goodman, J.E. Houston and J.T. Yates, Jr., Subsurface hydrogen on Ru(0001): quantification by Cu titration 194 (1988) 92
M. Kiskinova and M. Tikhov, Adsorption of CO on Ru($10\bar{1}0$) doped with different amounts of K and Cs 194 (1988) 379
J.L. Brand, A.A. Deckert and S.M. George, Surface diffusion of hydrogen on sulfur-covered Ru(001) surfaces studied using laser-induced thermal desorption 194 (1988) 457

Secondary ion mass spectroscopy

H. Yamamoto, T. Kikuchi and K. Furuya, The primary ion energy dependence of the analyzing depth in SIMS measurements 194 (1988) 217
P.H. McBreen, S. Moore, A. Adnot and D. Roy, SIMS study of the interaction of CO and O_2 with K adsorbed on Au 194 (1988) L112
X.-L. Zhou and J.M. White, Adsorption and decomposition of methyl halides on Ni(100): a TPD, SIMS and AES study 194 (1988) 438

Semiconductors

F. Sols and R.H. Ritchie, Self-energy of a charge near an interface 194 (1988) 275
N.V. Joshi, Laser-assisted growth of thin films of $CuAlSe_2$ 194 (1988) L105

Silicon

K. Kato, T. Ide, S. Miura, A. Tamura and T. Ichinokawa, Si(100)$2 \times n$ structures induced by Ni contamination 194 (1988) L87
S.-Y. Chu and A.B. Anderson, Acetylene adsorption on Si(111): molecular orbital theory 194 (1988) 55
M. Iwami, T. Terada, H. Tochihara, M. Kubota and Y. Murata, Alloyed interface formation in the Au–Si(111)2×1 system studied by photoemission spectroscopy 194 (1988) 115
W.A. Schmidt, A.J. Melmed, M.F. Lovisa, M. Naschitzki and J.H. Block, Field-ion energy spectroscopy of gold overlayers on silicon 194 (1988) 127

Silver

W. Segeth, J.H. Wijngaard and G.A. Sawatzky, The electronic structure of a new c(2×2) oxygen phase on Ag(110) 194 (1988) 615

Solid–electrolyte interface

M.R. Kozlowski, P.S. Tyler, W.H. Smyrl and R.T. Atanasoski, Photoelectrochemical microscopy of oxide films on metals: Ti/TiO_2 interface 194 (1988) 505

Sputtering

H. Yamamoto, T. Kikuchi and K. Furuya, The primary ion energy dependence of the analyzing depth in SIMS measurements 194 (1988) 217
Qu Zhe and Xie Tian-Sheng, Auger-ion sputter profiling of some homogeneous binary systems 194 (1988) L127

Sulphides

F.S. Ohuchi, W. Jaegermann and B.A. Parkinson, XPS investigation of the reaction of SnS_2(0001) with Cu 194 (1988) L69

Sulphur

C.S. Sass and J.W. Rabalais, Chemisorption of carbonyl sulfide (OCS) on Ni between 77 and 293 K 194 (1988) L95
M.L. Burke and R.J. Madix, SO_2 structure and reactivity on clean and sulfur modified Pd(100) 194 (1988) 223
S. Nakanishi and K. Sasaki, Adsorption of sulfur on the iron (001) surface 194 (1988) 245
J.L. Brand, A.A. Deckert and S.M. George, Surface diffusion of hydrogen on sulfur-covered Ru(001) surfaces studied using laser-induced thermal desorption 194 (1988) 457

Sulphur dioxide

M.L. Burke and R.J. Madix, SO_2 structure and reactivity on clean and sulfur modified Pd(100) 194 (1988) 223

Surface defects

J.-K. Zuo and G.-C. Wang, Defects in a W(112) surface 194 (1988) L77

Surface diffusion

V.P. Zhdanov, Diffusion of coadsorbed particles 194 (1988) 1
A.D. Gates and J.L. Robins, Cluster mobility calculations for gold particles on (100) NaCl surfaces 194 (1988) 13
J.L. Brand, A.A. Deckert and S.M. George, Surface diffusion of hydrogen on sulfur-covered Ru(001) surfaces studied using laser-induced thermal desorption 194 (1988) 457

Surface phonons

F. Sols and R.H. Ritchie, Self-energy of a charge near an interface 194 (1988) 275

Surface plasmons

F. Sols and R.H. Ritchie, Self-energy of a charge near an interface 194 (1988) 275

Surface structure, see also Low energy electron diffraction

K. Kato, T. Ide, S. Miura, A. Tamura and T. Ichinokawa, Si(100)$2 \times n$ structures induced by Ni contamination 194 (1988) L87
V.P. Zhdanov, On the application of LEED to study the dynamics of two-dimensional ordering 194 (1988) L100
P. Badziag and W.S. Verwoerd, Cluster modelling of the 2×1 chain reconstruction of the diamond (111) surface 194 (1988) 535

Surface thermodynamics

G. Pirug and H.P. Bonzel, Ordering of potassium overlayers on Pt(111) 194 (1988) 159

Thermal desorption

C. Benndorf and T.E. Madey, Adsorption of H_2O on clean and oxygen-predosed Ni(110) 194 (1988) 63
C.H.F. Peden, D.W. Goodman, J.E. Houston and J.T. Yates, Jr., Subsurface hydrogen on Ru(0001): quantification by Cu titration 194 (1988) 92
M. Ehsasi and K. Christmann, The interaction of hydrogen with a rhodium (110) surface 194 (1988) 172
M.L. Burke and R.J. Madix, SO_2 structure and reactivity on clean and sulfur modified Pd(100) 194 (1988) 223

M. Kiskinova and M. Tikhov, Adsorption of CO on Ru(10$\bar{1}$0) doped with different amounts of K and Cs 194 (1988) 379
J.G. Chen, P. Basu, L. Ng and J.T. Yates, Jr., A comparative study of the reactivities of H_2O, CH_3OH, and CH_3OCH_3 toward Al(111) 194 (1988) 397
J. Paul and F.M. Hoffmann, Hydrogen adsorption on alkali modified aluminum 194 (1988) 419
X.-L. Zhou and J.M. White, Adsorption and decomposition of methyl halides on Ni(100): a TPD, SIMS and AES study 194 (1988) 438
J.L. Brand, A.A. Deckert and S.M. George, Surface diffusion of hydrogen on sulfur-covered Ru(001) surfaces studied using laser-induced thermal desorption 194 (1988) 457

Thin films

N.V. Joshi, Laser-assisted growth of thin films of $CuAlSe_2$ 194 (1988) L105
M.H. Grabow and G.H. Gilmer, Thin film growth modes, wetting and cluster nucleation 194 (1988) 333

Tin

R. Souda, T. Aizawa, C. Oshima, S. Otani and Y. Ishizawa, Reionization contributions in low-energy scattering of He, Ne and Ar ions from Sn, Au, and $BaTiO_3$ 194 (1988) L119

Titanium

M.R. Kozlowski, P.S. Tyler, W.H. Smyrl and R.T. Atanasoski, Photoelectrochemical microscopy of oxide films on metals: Ti/TiO_2 interface 194 (1988) 505

Titanium carbide

P.A.P. Lindberg and L.I. Johansson, Work function and reactivity of some crystal faces of substoichiometric transition-metal carbides 194 (1988) 199

Titanium oxide

M.R. Kozlowski, P.S. Tyler, W.H. Smyrl and R.T. Atanasoski, Photoelectrochemical microscopy of oxide films on metals: Ti/TiO_2 interface 194 (1988) 505

Tungsten

J.-K. Zuo and G.-C. Wang, Defects in a W(112) surface 194 (1988) L77
A. McCann and J.S. Brown, A self-consistent calculation of the tunneling barrier of metal–vacuum–metal junctions: application to W–Vac–Au 194 (1988) 44
V.N. Ageev, O.P. Burmistrova and B.V. Yakshinskii, Electron-stimulated alkali metal desorption from the oxygen monolayer-covered tungsten surface 194 (1988) 101

Tunneling

A. McCann and J.S. Brown, A self-consistent calculation of the tunneling barrier of metal–vacuum–metal junctions: application to W–Vac–Au 194 (1988) 44

Water

C. Benndorf and T.E. Madey, Adsorption of H_2O on clean and oxygen-predosed Ni(110) 194 (1988) 63

J.G. Chen, P. Basu, L. Ng and J.T. Yates, Jr., A comparative study of the reactivities of H_2O, CH_3OH, and CH_3OCH_3 toward Al(111) 194 (1988) 397

Wetting

M.H. Grabow and G.H. Gilmer, Thin film growth modes, wetting and cluster nucleation 194 (1988) 333

Work function

D. Fargues, J.J. Ehrhardt, M. Abon and J.C. Bertolini, Photoemission of adsorbed xenon on Pt_xNi_{1-x}(111) single crystal alloy surfaces 194 (1988) 149

M. Ehsasi and K. Christmann, The interaction of hydrogen with a rhodium (110) surface 194 (1988) 172

P.A.P. Lindberg and L.I. Johansson, Work function and reactivity of some crystal faces of substoichiometric transition-metal carbides 194 (1988) 199

X-ray absorption

F. Zaera, D.A. Fischer, S. Shen and J.L. Gland, Fluorescence yield near-edge X-ray absorption spectroscopy under atmospheric conditions: CO and H_2 coadsorption on Ni(100) at pressures between 10^{-9} and 0.1 Torr 194 (1988) 205

Zinc oxide

J.A. Rodriguez and C.T. Campbell, A quantum-chemical study of the chemisorption of ammonia, pyridine, formaldehyde, formate, and methoxy on ZnO(0001) 194 (1988) 475